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Approved for use through 10/31/2002. OMB 0651-0035  
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**POWER OF ATTORNEY OR  
AUTHORIZATION OF AGENT**

Application Number	09/973,640
Filing Date	10/09/2001
First Named Inventor	Michael C. Olewine
Title	Metal-Insulator-Metal (MIM) Capacitor Structure and Methods of Fabricating Same
Group Art Unit	Unknown
Examiner Name	Unknown
Attorney Docket Number	US 018167

I hereby appoint:

Practitioners at Customer Number

Place Customer  
Number Bar Code  
Label here

OR

Practitioner(s) named below:

Name	Registration Number
Peter S. Zawilski	43,305
Harold Tsiang	35,721
Gwenaelle Le Pennec	Limited Recognition under 37 CFR 10.9 (b)

as my/our attorney(s) or agent(s) to prosecute the application identified above, and to transact all business in the United States Patent and Trademark Office connected therewith.

Please change the correspondence address for the above-identified application to:

The above-mentioned Customer Number.

OR

Practitioners at Customer Number

Place Customer  
Number Bar Code  
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OR

<input checked="" type="checkbox"/> Firm or Individual Name	Corporate Patent Counsel				
Address	Philips Electronics North America Corporation				
Address	580 White Plains Road				
City	Tarrytown	State	NY	Zip	10597
Country	United States of America				
Telephone	(408) 617-4832	Fax	(408) 617-4856		

I am the:

Applicant/Inventor.

Assignee of record of the entire interest. See 37 CFR 3.71.  
Statement under 37 CFR 3.73(b) is enclosed. (Form PTO/SB/96).

**SIGNATURE of Applicant or Assignee of Record**

Name

Michael E. Schmitt

Signature

Date

2/20/02

NOTE: Signatures of all the inventors or assignees of record of the entire interest or their representative(s) are required. Submit multiple forms if more than one signature is required, see below\*.

\*Total of 1 forms are submitted.

Burden Hour Statement: This form is estimated to take 3 minutes to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.



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PTO/SB/82 (10-00)

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**REVOCATION OF POWER OF  
ATTORNEY OR  
AUTHORIZATION OF AGENT**

Application Number	09/973,640
Filing Date	10/09/2001
First Named Inventor	Michael C. Olewine
Group Art Unit	Unknown
Examiner Name	Unknown
Attorney Docket Number	US 018167

I hereby revoke all previous powers of attorney or authorizations of agent given in the above-identified application:

A Power of Attorney or Authorization of Agent is submitted herewith.

**OR**

Please change the correspondence address for the above-identified application to:

Customer Number



Place Customer  
Number Bar Code  
Label here

**OR**

<input type="checkbox"/> Firm or Individual Name	Corporate Patent Counsel				
Address	Philips Electronics North America Corporation				
Address	580 White Plains Road				
City	Tarrytown				
Country	United States of America	State	NY	ZIP	10591
Telephone	(408) 617-4832	Fax	(408) 617-4856		

I am the:

Applicant/Inventor.

Assignee of record of the entire interest. See 37 CFR 3.71.  
Statement under 37 CFR 3.73(b) is enclosed. (Form PTO/SB/96)

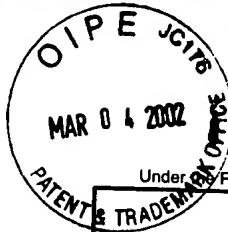
**SIGNATURE of Applicant or Assignee of Record**

Name	Michael E. Schmitt
Signature	
Date	2/20/02

NOTE: Signatures of all the inventors or assignees of record of the entire interest or their representative(s) are required. Submit multiple forms if more than one signature is required, see below\*.

\*Total of 1 forms are submitted.

Burden Hour Statement: This form is estimated to take 3 minutes to complete. Time will vary depending upon the needs of the individual case. Any comments on 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

**STATEMENT UNDER 37 CFR 3.73(b)**

Applicant/Patent Owner: Koninklijke Philips Electronics N.V.

Application No./Patent No.: 09/973,640

Filed/Issue Date: 10/09/2001

Entitled: Metal-Insulator-Metal (MIM) Capacitor Structure and Methods of Fabricating Same

Koninklijke Philips Electronics N.V., a corporation

(Name of Assignee)

(Type of Assignee, e.g., corporation, partnership, university, government agency, etc.)

states that it is:

1.  the assignee of the entire right, title, and interest; or
2.  an assignee of less than the entire right, title and interest.  
The extent (by, percentage) of its ownership interest is \_\_\_\_\_ %

in the patent application/patent identified above by virtue of either:

A.  An assignment from the inventor(s) of the patent application/patent identified above. The assignment was recorded in the United States Patent and Trademark Office at Reel \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy thereof is attached.

OR

B.  A chain of title from the inventor(s), of the patent application/patent identified above, to the current assignee as shown below:

1. From: \_\_\_\_\_ To: \_\_\_\_\_  
The document was recorded in the United States Patent and Trademark Office at Reel \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy thereof is attached.
2. From: \_\_\_\_\_ To: \_\_\_\_\_  
The document was recorded in the United States Patent and Trademark Office at Reel \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy thereof is attached.
3. From: \_\_\_\_\_ To: \_\_\_\_\_  
The document was recorded in the United States Patent and Trademark Office at Reel \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy thereof is attached.

Additional documents in the chain of title are listed on a supplemental sheet.

Copies of assignments or other documents in the chain of title are attached.

[NOTE: A separate copy (i.e., the original assignment document or a true copy of the original document) must be submitted to Assignment Division in accordance with 37 CFR Part 3, if the assignment is to be recorded in the records of the USPTO. See MPEP 302.08]

The undersigned (whose title is supplied below) is authorized to act on behalf of the assignee.

2/28/02  
Date

Michael E. Schmitt

Typed or printed name

Signature

Principal Attorney/Manager

Title



## Appendix B

### Ownership of VLSI Technology, Inc.

- B1). Philips Semiconductors, Inc Secretary's Certificate of May 17, 2000.
- B2). Certificate of "Name Change" Amendment of Certificate of Incorporation of July 2, 1999.
- B3). Certificate of Merger of Philips Semiconductors, Inc. and Philips Semiconductors VLSI Inc.
- B4). Philips Semiconductors, Inc. Secretary's Certificate of May 16, 2000.
- B5). State of Delaware Secretary of State certifying the "Name Change" Amendment of B2.
- B6). State of Delaware Secretary of State certifying the Certificate of Merger of B3.
- B7). Philips Semiconductors, Inc. Secretary's Certificate of July 6, 2000 showing ownership of Philips Semiconductors Inc.

### Authorized Signatories

- B8). Secretary's Certification authorizing Michael Schmitt et al to sign on behalf of **Philips Semiconductors, Inc.**
- B9). Secretary's Certification authorizing Michael Schmitt et al to sign on behalf of **U.S. Philips Corporation.**
- B10). Secretary's Certification authorizing Michael Schmitt et al to sign on behalf of **Philips North America Corporation**
- B11). Power of Attorney authorizing Michael Schmitt et al to sign on behalf of **Koninklijke Philips Electronics N.V.**



# PHILIPS

B11

## **Koninklijke Philips Electronics N.V.**

P.O. Box 220, 5600 AE Eindhoven, The Netherlands

### **POWER OF ATTORNEY**

The undersigned, Koninklijke Philips Electronics N.V. of Eindhoven, The Netherlands (hereinafter referred to as "the company") for the present purpose represented by Mr. R.J. Peters, authorized representative of the company, hereby grants authority until further notice to Messrs.

M.J.M. van Kaam  
J.E. Haken  
M.E. Marion  
M.E. Schmitt

to act jointly and severally, within the normal performance of their duties, as representatives of the company at law and otherwise, with full power of substitution and revocation in all matters relating to the establishment, acquisition, maintenance, defence and administration of the company's rights and/or titles with respect to patents of inventions, utility models, trademarks, topographies of semiconductor products, drawings (including packaging designs) and industrial designs and/or applications for these, domain names, as well as computer software, and the contestation (including the institution of actions for nullity) of applications and rights of third parties and in all matters relating to the transfer and assignment of such rights and/or titles in the framework of divestiture of lines of business which explicitly have been resolved by the Board of Management of the company.

Eindhoven, 15<sup>th</sup> May 2001

Koninklijke Philips Electronics N.V.

R.J. Peters

## SECRETARY'S CERTIFICATE

I, W. T. OATES, JR., Secretary of Philips Semiconductors Inc., do hereby certify:

1. Philips Semiconductors Inc. is a wholly-owned subsidiary of Philips Holding USA Inc.;
2. Philips Holding USA Inc. is a wholly-owned subsidiary of Koninklijke Philips Electronics N.V.;

IN WITNESS WHEREOF, I have hereunto signed my name and affixed the Corporate Seal at New York, New York, this 6<sup>th</sup> day of July, 2000.



---

Secretary

## SECRETARY'S CERTIFICATION

I, Warren T. Oates, Jr., Secretary of Philips Semiconductors Inc., do hereby certify that the following resolution was duly adopted by the Board of Directors of this Corporation on April 17, 2001 and such resolution has not been modified or rescinded and is in full force and effect as of the date of this certificate:

RESOLVED, that effective April 1, 2001, Matthieu van Kaam, Michael Marion, Jack Haken or Michael Schmitt be and they individually are authorized as "Authorized Signatory(ies) to sign, execute and deliver on behalf of the Corporation, all instruments relating to patents, trademarks, or copyright registrations, all license agreements, all petitions, powers of attorney, authorizations, verifications, nominations of representatives, declarations and other instruments relating to proceedings with respect to patents, trademarks or copyrights in the Patent, Trademark Registration or Copyright Offices of any country in the world, or relating to appeal proceedings of that nature and assignments of rights to patents, trademark registrations and copyrights.

IN WITNESS WHEREOF, I have signed my name and affixed the Corporate Seal at New York, N.Y., this 30th day of May, 2001.

  
Secretary

## SECRETARY'S CERTIFICATION

I, Warren T. Oates, Jr., Assistant Secretary of U.S. Philips Corporation. (the "Corporation"), do hereby certify that the following resolution was duly adopted by the Board of Directors of this Corporation on May 23, 2001 and is in full force and effect as of the date of this certificate:

INTELLECTUAL PROPERTY AUTHORITY

RESOLVED, that effective April 1, 2001, Matthieu van Kaam, Michael Marion, Jack Haken or Michael Schmitt be and they individually are authorized as "Authorized Signatory(ies)" to sign, execute, and deliver on behalf of the Corporation, all instruments relating to patents, trademarks, or copyright registrations, all license agreements, all petitions, powers of attorney, authorizations, verifications, nominations of representatives, declarations and other instruments relating to proceedings with respect to patents, trademarks or copyrights in the Patent, Trademark Registration or Copyright Offices of any country of the world, or relating to appeal proceedings of that nature and assignments of rights to patents, trademark registrations and copyrights.

IN WITNESS WHEREOF, I have signed my name and affixed the Corporate Seal at New York, N.Y., this 21st day of June, 2001.

  
Assistant Secretary

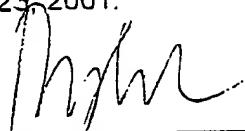
## PHILIPS ELECTRONICS NORTH AMERICA CORPORATION

Consent of Directors to Action Taken  
Without a Meeting of the Board of Directors

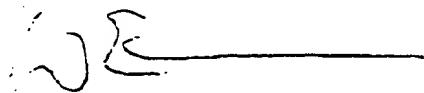
The undersigned, being all the members of the Board of Directors of PHILIPS ELECTRONICS NORTH AMERICA CORPORATION (the "Corporation"), a Delaware corporation pursuant to Section 141(f) of the General Corporation Law of the State of Delaware, hereby unanimously consent to the adoption of the following resolution without a meeting:

RESOLVED, that Matthieu van Kaam, Michael Marion, Jack Haken or Michael Schmitt be and they individually are authorized as "Authorized Signatory(ies)" to sign, execute, and deliver on behalf of the Corporation, all instruments relating to patents, trademarks, or copyright registrations, all license agreements, all petitions, powers of attorney, authorizations, verifications, nominations of representatives, declarations and other instruments relating to proceedings with respect to patents, trademarks or copyrights in the Patent, Trademark Registration or Copyright Offices of any country of the world, or relating to appeal proceedings of that nature and assignments of rights to patents, trademark registrations and copyrights, with immediate effect.

IN WITNESS WHEREOF, the undersigned Directors have executed this Consent  
as of April 23, 2001.



Belinda W. Chew



William E. Curran



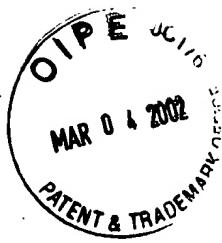
### SECRETARY'S CERTIFICATE

I, W. T. OATES, JR., Secretary of Philips Semiconductors Inc., do hereby certify:

1. that attached is a true and correct copy of Certificate of Amendment of Certificate of Incorporation as filed with the Secretary of State of the State of Delaware on July 2, 1999 changing the name of VLSI Technology, Inc. to Philips Semiconductors VLSI Inc.
2. that attached is a true and correct copy of Certificate of Merger merging Philips Semiconductors Inc. into Philips Semiconductors VLSI Inc. and change of name of survivor Philips Semiconductors VLSI Inc. to Philips Semiconductors Inc. as filed with the Secretary of State of the State of Delaware on December 29, 1999.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed the Corporate Seal  
on May 17, 2000.

  
Secretary



STATE OF DELAWARE  
SECRETARY OF STATE  
DIVISION OF CORPORATIONS  
FILED 09:00 AM 07/02/1999  
991273471 - 2125539

CERTIFICATE OF AMENDMENT  
OF  
CERTIFICATE OF INCORPORATION

VLSI Technology, Inc., a corporation organized and existing under and by virtue of the General Corporation Law of the State of Delaware, DOES HEREBY CERTIFY:

**FIRST:** That the Board of Directors of VLSI Technology, Inc., by unanimous written consent of its members, filed with the minutes of the board, duly adopted resolutions setting forth a proposed amendment to the Certificate of Incorporation of said corporation, declaring said amendment to be advisable:

**RESOLVED**, that the Certificate of Incorporation of this Corporation be amended by changing the first Article thereof so that, as amended, said Article shall be and read as follows:

**FIRST.** The name of the Corporation is PHILIPS SEMICONDUCTORS VLSI INC."

**SECOND:** That in lieu of a meeting and vote of stockholders, the stockholders have given unanimous written consent to said amendment in accordance with the provisions of Section 228 of the General Corporation Law of the State of Delaware.

**THIRD:** That the aforesaid amendment was duly adopted in accordance with the applicable provisions of Section 242 and 228 of the General Corporation Law of the State of Delaware.

IN WITNESS WHEREOF, said VLSI Technology, Inc. has caused this certificate to be signed by Paul S. Friedlander, its Vice President and attested by Warren T. Oates, Jr., its Assistant Secretary this 2nd day of July, 1999.

VLSI TECHNOLOGY, INC.

By: Paul S. Friedlander

Vice President

ATTEST:

Warren T. Oates  
Assistant Secretary

CERTIFICATE OF MERGER  
OF  
PHILIPS SEMICONDUCTORS INC.  
AND  
PHILIPS SEMICONDUCTORS VLSI INC.

It is hereby certified that:

1. The constituent business corporations participating in the merger herein certified are:

Philips Semiconductors Inc., which is incorporated under the laws of the State of Delaware; and

Philips Semiconductors VLSI Inc., which is incorporated under the laws of the State of Delaware.

2. An Agreement of Merger has been approved, adopted, certified, executed, and acknowledged by each of the aforesaid constituent corporations in accordance with the provisions of subsection (c) of Section 251 of the General Corporation Law of the State of Delaware.

3. The name of the surviving corporation in the merger herein certified is Philips Semiconductors VLSI Inc., which will continue its existence as said surviving corporation under the name Philips Semiconductors Inc. upon the effective date of said merger pursuant to the provisions of the General Corporation Law of the State of Delaware.

4. The Certificate of Incorporation of Philips Semiconductors VLSI Inc. is to be amended and changed by reason of the merger herein certified by striking out Article FIRST, relating to the name, by substituting in lieu thereof the following article:

"FIRST: The name of the Corporation is PHILIPS SEMICONDUCTORS INC."

and said Certificate of Incorporation as so amended and changed shall continue to be the Certificate of Incorporation of said surviving corporation until further amended and changed in accordance with the provisions of the General Corporation Law of the State of Delaware.

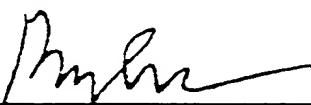
5. The executed Agreement of Merger between the aforesaid constituent corporations is on file at an office of the aforesaid surviving corporation, the address of which is as follows: 1251 Avenue of the Americas, New York, NY 10020

6. A copy of the aforesaid Agreement of Merger will be furnished by the aforesaid surviving corporation, on request, and without cost, to any stockholder of each of the aforesaid constituent corporations.

7. The Agreement of Merger between the aforesaid constituent corporations provides that the merger herein certified shall be effective at 12:02 a.m. January 1, 2000 Pacific Standard Time.

Dated: December 20, 1999

PHILIPS SEMICONDUCTORS INC.

By: 

(Name, Title) Belinda W. Chew, Vice President

Dated: December 20, 1999

PHILIPS SEMICONDUCTORS VLSI INC.

By: 

(Name, Title) Warren T. Gates, Jr., Vice Presid

## SECRETARY'S CERTIFICATE

I, W. T. OATES, JR., Secretary of Philips Semiconductors Inc., do hereby certify that the attached is a true and correct copy of Certificate of Merger merging Philips Semiconductors Inc. into Philips Semiconductors VLSI Inc. and change of name of survivor Philips Semiconductors VLSI Inc. to Philips Semiconductors Inc. as filed with the Secretary of State of the State of Delaware on December 29, 1999.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed the Corporate Seal  
on May 16, 2000.

  
Secretary

*State of Delaware*  
*Office of the Secretary of State*

PAGE 1

I, EDWARD J. FREEL, SECRETARY OF STATE OF THE STATE OF DELAWARE, DO HEREBY CERTIFY THE ATTACHED IS A TRUE AND CORRECT COPY OF THE CERTIFICATE OF MERGER, WHICH MERGES:

"PHILIPS SEMICONDUCTORS INC.", A DELAWARE CORPORATION, WITH AND INTO "PHILIPS SEMICONDUCTORS VLSI INC." UNDER THE NAME OF "PHILIPS SEMICONDUCTORS INC.", A CORPORATION ORGANIZED AND EXISTING UNDER THE LAWS OF THE STATE OF DELAWARE, AS RECEIVED AND FILED IN THIS OFFICE THE TWENTY-NINTH DAY OF DECEMBER, A.D. 1999, AT 9 O'CLOCK A.M.

AND I DO HEREBY FURTHER CERTIFY THAT THE EFFECTIVE DATE OF THE AFORESAID CERTIFICATE OF MERGER IS THE FIRST DAY OF JANUARY, A.D. 2000.

A FILED COPY OF THIS CERTIFICATE HAS BEEN FORWARDED TO THE NEW CASTLE COUNTY RECORDER OF DEEDS.



A handwritten signature of Edward J. Freel in black ink.

Edward J. Freel, Secretary of State

2125539 8100M

991566771

AUTHENTICATION: 0172467

DATE: 12-30-99

*State of Delaware*  
*Office of the Secretary of State* PAGE 1

I, EDWARD J. FREEL, SECRETARY OF STATE OF THE STATE OF DELAWARE, DO HEREBY CERTIFY THE ATTACHED IS A TRUE AND CORRECT COPY OF THE CERTIFICATE OF AMENDMENT OF "VLSI TECHNOLOGY, INC.", CHANGING ITS NAME FROM "VLSI TECHNOLOGY, INC." TO "PHILIPS SEMICONDUCTORS VLSI INC.", FILED IN THIS OFFICE ON THE SECOND DAY OF JULY, A.D. 1999, AT 9 O'CLOCK A.M.

A FILED COPY OF THIS CERTIFICATE HAS BEEN FORWARDED TO THE NEW CASTLE COUNTY RECORDER OF DEEDS.



*Edward J. Freel*  
Edward J. Freel, Secretary of State

AUTHENTICATION: 9846969

DATE: 07-07-99